UPUB I7.002

OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

NOVEMBER 18, 1991
VOLUME 6, NUMBER 12

Three-pronged Approach Planned For "Maryland at Risk Day" Nov. 25

"A Call to Action," a mid-day march and rally of faculty, staff and students in the Reckord Armory, is the centerpiece of "Maryland at Risk Day," the Nov. 25 campus-wide series of events focusing on the budget crisis.

Also planned is a day-long series of five Teach In sessions in the Student Union Atrium, and classroom discussions that will be held throughout the day across the campus on issues related to the economic crisis. A Legislative Action Room will be located in the Prince George's Room of the Student Union.

Noon March and Rally

"A Call to Action" will dramatically demonstrate the unity and solidarity of faculty, staff and students on the budget crisis, says Roger Meersman, chair of the Department of Theatre and head of the march and rally committee. Meersman urges that all student organizations and their members take part in the noontime rally along with faculty and staff.

At 11:50 a.m., organizations whose names begin with the letters A-D should assemble at Ellicott Quad; those E-H at Tawes Plaza; those I-L behind South Campus Dining Hall; those M-P at Hornbake Plaza, those Q-T at Fraternity Row and Route 1, and U-Z at the Main Administration Building.

At noon, members of the Mighty Sound of Maryland Marching Band will escort groups from each of these locations to the student, staff and faculty rally in the Reckord Armory. Members of the organizations are asked to carry signs and banners identifying themselves and to wear Maryland colors.

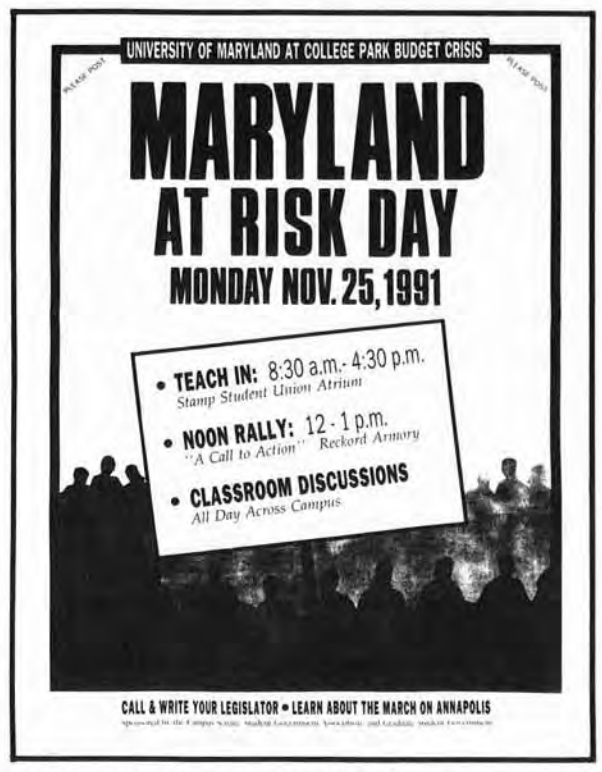
Five Teach In Sessions Set

The Teach In will be conducted in five panel discussion sessions in the Atrium of the Stamp Student Union. Panelists are expected to include state legislators and representatives of the governor's office, as well as College Park alumni, faculty, administrators, staff and students.

Session One, "Where Do The Dollars Come From," begins at 8:30 a.m. It will focus on understanding the state's budget and taxation process.

Confirmed panelists include Charles Sturtz, vice president for administrative affairs, Mahlon Straszheim, chair, Department of Economics, and Fred Puddester, DBFP. The moderator is Frank Schmidtlein, EDPA.

Session Two, "Promises to Keep: Higher Education in the State of Maryland," begins at 9:45 a.m. It will examine higher education in Maryland, priorities, and the enhancement of College Park.



Panelists include Linda Clement, director of undergraduate admissions, Paul Carlson, SGA president, and President William E. Kirwan. Richard Chait, EDPA, will moderate.

continued on page 2

INSIDE

Center for 19th-Century Music Receives NEH Grant

Cohen directs monumental scholarly catalog effort 3

Recognizing the "Unsung Heroes" of OIS

Brown's office can provide numbers on almost everything 4

Creating Magic with Theatrical Lighting

Wagner's work enhances area theaters—and the university's 5

Changes in Soviet Union Keep Cartographer Busy

Wiedel specializes in tactile maps for the blind 6

Emergency Legislation to Reverse Budget Cuts Unveiled

At back-to-back news conferences in the Stamp Student Union and the State House in Annapolis, Tuesday, Nov. 12, four members of Maryland's 21st Legislative District unveiled legislation they believe will reverse the cuts to the state's system of public higher education.

The bills' authors also introduced representatives of a broad-based coalition of faculty, staff, student, alumni, and parents' organizations who will launch a lobbying campaign on its behalf.

They included chemistry professor Gerald R. Miller, chair of the Campus Senate, Loren R. Taylor, executive director of alumni programs, Carolyn Fichtel, vice president for nominations and elections for the alumni Board of Governors, Gretchen VanDerveer, on behalf of the Parents' Association, Paul Carlson, president of the Student Government Association, Jay Thomas, of the Graduate Student Government, and Scott Palmer, the Student Council, Systemwide.

Miller thanked the lawmakers for drafting the measure and pledged his and the campus' support. "It is the first ray of sunshine higher education has had in a long time," Miller said.

Delegate Jim Rosapepe responds to reporters' questions.

"This bill is a wake-up call to everybody in the state who cares about public higher education in Maryland," said Delegate Jim Rosapepe, one of the co-authors of LR 842/LR 870, "Restoration of Public Higher Education Funding."

Senator Arthur Dorman, and Delegates Timothy Maloney and Pauline H. Menes also co-authored the bill.

continued on page 2

NEWS

Schwarzkopf, the Teacher, at College Park

Gen. H. Norman Schwarzkopf, commander of U.S. and allied forces during the Persian Gulf war and operation Desert Storm, made a point about lessons drawn from the Vietnam War during a discussion with students enrolled in Honors 318 (America in Vietnam). Schwartzkopf, a two-tour decorated Vietnam veteran, recently joined Honors 318 instructor Phil Straw and students in class for three hours of wide-open debate on issues relating to both conflicts and American foreign policy. "We urged him to join us and teach," says Straw, "and he did so, with candor, commitment and grace."

"Maryland at Risk Day" Plans Set

continued from page 1

Session Three, "Where Are We Now?" begins at 10:45 a.m. It will explore the impact of the budget shortfalls on the College Park campus.

Panelists include J. Robert Dorfman, vice president for academic affairs and provost, Brenda Dixon, assistant director of personnel, and Frank Brewer, director of physical plant. The moderator is Charles Sturtz.

Session Four, "What Next? Where Do We Go From Here?" begins at 1:30 p.m. It will provide a forum for people to offer creative solutions to avert the funding crisis.

Confirmed speakers include Senators Larry Levitan and Arthur Dorman, and Delegate Jim Rosapepe. Barbara Gill, assistant director of freshman admissions, will moderate.

Session Five, "Just Do It!" begins at 3 p.m. and will focus on ways individuals and groups can become agents of change.

Confirmed panelists include Lois Vitrie, faculty, Scott Palmer, student, Rhonda Williams, assistant professor, Afro-American Studies, Lander Medlin, assistant director for administration, Physical Plant, and Darryl Christmon, comptroller.

All-Day Classroom Discussions

The Student Affairs Committee of the Campus Senate, working with various student organizations on campus, has proposed several topics for classroom discussion during the day.

These include an assessment of the strengths of the university and individual colleges and departments, the impact of the 1988 and 1989 enhancement on departments, how budget reductions have affected course offerings and class sizes, and the impact of these cuts on research, teaching and the overall quality of educational opportunities for students at College Park.

Legislative Action Room

The Prince George's Room in the Student Union will be designated the Legislative Action Room from 10 a.m to 3 p.m. where tables representing each region of the state will be located. County organizers from the campus will be contacting their legislators to encourage them to come to the room to meet informally with their constituents to discuss the impact of budget cuts on higher education and specifically the impact on College Park.

Students, faculty and staff are urged to go to these tables to learn who their legislators are, their addresses and phone numbers and to write or contact them directly. A writing desk will be set up where letters can be drafted. The room also will serve as a place for members of the campus community who want to sign up to work on a rally in Annapolis when the Legislature is in session in January.

The "Maryland at Risk Day" is being co-sponsored by the Campus Senate, the Student Government Association and the Graduate Student Government.

It was organized by Arts and Humanities Dean Robert Griffith and his staff and Robert Lissitz, chair and professor of measurement, statistics, and evaluation in the College of Education, and chair of the Senate General Committee on Governmental Affairs.

Tom Otwell

Legislation to Reverse Budget Cuts Proposed

continued from page 1

Delegate Maloney said that the 1988 reorganization of public higher education in Maryland foresaw College Park on a par with Ann Arbor, Austin and Charlottesville. But, he warned, without continued support, Maryland could be "consigned to the backwaters of public universities around this country."

The Senate and House of Delegates versions of the bill would restore all current FY 92 cuts by taking $38 million in corporate income tax revenues now diverted to the Transportation Trust Fund and returning them to the state's General Fund to support all campuses of the University of Maryland system as well as Morgan State University and St. Mary's College. For FY 93, $80 million in corporate tax revenue now slated to be diverted to transportation would go to a new Maryland Higher Education Fund to forestall proposed cuts.

"We can restore the cuts if the hundreds of thousands of Marylanders who care about the university speak up," Rosapepe declared.

Delegate Menes said that she and her colleagues from the 21st District place a high priority on education. "We are concerned for public education from K through graduate school," she said adding that the press conference "is only the beginning."

For Jay Thomas of the Graduate Student Government, the issue was as clear as it was basic. "We expect the promises made in 1988 to be kept," he said. "It's as simple as that."

Tom Otwell

Kirlin Lecture to Focus on Organized Labor in Construction Industry

Edward J. Carlough, general president of the Sheet Metal Workers' International Association, will deliver the eleventh in the John J. Kirlin, Inc. Lecture Series, Tuesday, Dec. 3.

Sponsored by the Center for Construction Engineering and Management of the Department of Civil Engineering, the Kirlin lectures are intended to promote new and creative ideas and concepts in the construction industry.

Carlough will speak on "Organized Labor in Construction in the 1990s: Challenges and Opportunities." The lecture will be held in the Judith Resnick Lecture Hall in the Engineering Building beginning at 6 p.m.

Open to the professional construction community throughout the region, as well as to university students of all disciplines, the Kirlin lectures in the past have featured contractors, government officials, military construction officials and consultants.

Carlough was first elected general president of the 150,000-member Sheet Metal Workers' International Association in 1970 and has been re-elected to five consecutive four-year terms. He will discuss changes that are taking place in the U.S. construction industry, the demographics of the workforce, and the challenges faced by organized labor.

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Roz Hiebert, Editor *Outlook*, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is outlook@pres.umd.edu. Fax number is (301) 314-9344

UNIVERSITY OF MARYLAND AT COLLEGE PARK

"Beyond the Campus" Directory Available

The second edition of *Beyond the Campus: Partnerships with the Schools*, a directory of cooperative programs and partnerships between the university and public schools, is currently available to the campus community. The directory, produced by the School/University Cooperative Programs office, is an outgrowth of campus efforts to serve the educational needs of the state beyond the boundaries of the College Park campus. To obtain a copy of the directory or for more information, call 405-6828.

$160,000 Grant Awarded to 19th-Century Music Center

A significant part of the world's culture, in the form of 19th-century music, has gone largely unexplored due to an inability to gain access to the sheer mass of information embedded in more than 2,000 music journals and 1,000 newspapers, theatrical journals, theatrical reviews and other magazines from that time period. Analyzing, accessing, retrieving and cataloguing this monumental amount of information in a systematic manner was a task daunting enough to stymie scholars around the world until just 10 years ago.

In 1981, H. Robert Cohen founded The Center for Studies in 19th-Century Music and, at the request of several international organizations, took on this task. Cohen now directs the center and its four

ambitious projects from the university, where he also serves as professor of musicology.

One of the center's four undertakings, *Le Repertoire International de la Presse Musicale* (RIPM), recently received a $160,000 grant from the National Endowment for the Humanities. RIPM's current work involves analyzing and making available the information in 65 journals selected by an international board of distinguished music scholars, librarians and archivists. The journals represent several countries and fall within six language groupings—English, French, German, Italian, Spanish and Dutch. Scholars and institutions in 15 countries collaborate on the project.

RIPM is in year five of its initial 10-year plan, and to date has published 37 of its planned 100 volumes. An additional five volumes are about to be released, and five will go to press in April.

"It seems almost like a dream...today in a single breadth we can report on...[RIPM] which we will read and reread as long as historical musicology exists," said Lorenzo Bianconi in *Giornale della musica*.

The significance of the center's work is uncontested. It is one of only four major international undertakings assigned repertory status by the International Musicological Society and the International Association of Music Libraries, Archives and Documentation Centers. According to Cohen, a repertory is created when there is a monumental amount of inaccessible documentation containing invaluable information that the international bodies believe absolutely fundamental to the understanding of musical history.

In addition to the International Musicological Society and the International Association of Music Libraries, Archives and Documentation Centers, RIPM functions under the auspices of UNESCO's International Council for Philosophy and Humanistic Studies. It is published by UMI Research Collections International.

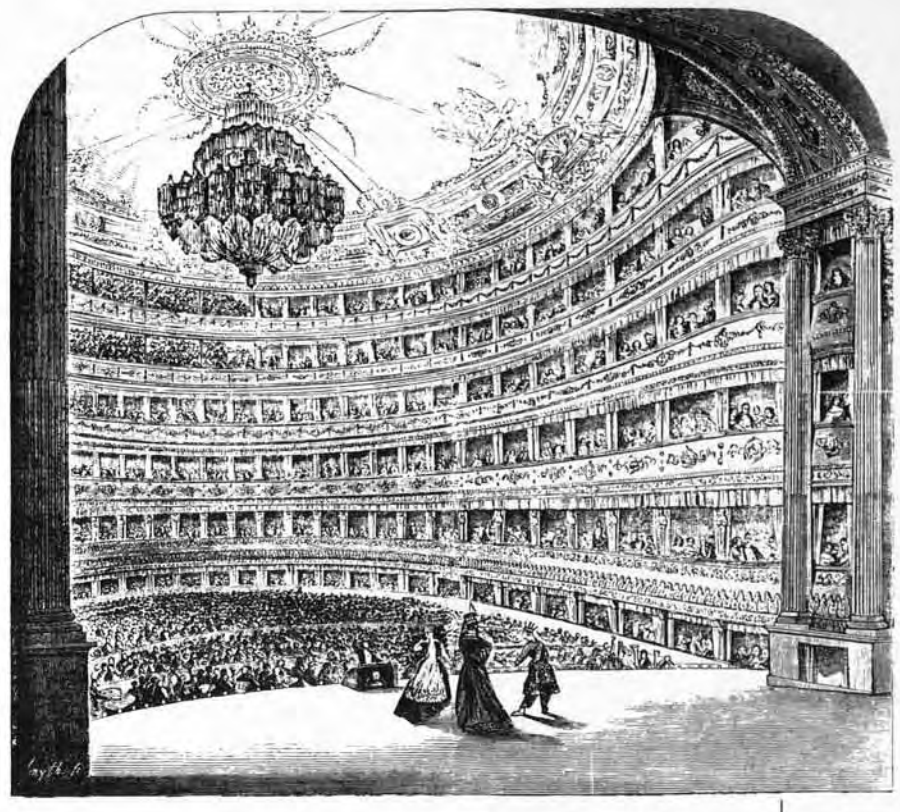
Several factors combine to make this project and the 19th-century press so important, explains Cohen. One factor is that this is the first time a systematic approach has been developed for exploring and permitting access to the vital information concerning music in the 19th-century press.

Another factor is that from this project is emerging a true picture of musical life in the 19th century. Past historians tended to focus on the "heroes" of musical history, leaving aside the music of composers considered less significant. However, taste changes, and what is considered by historians as less significant during one period may appear as more so at another, says Cohen. By providing access to publications that view musical life as it was perceived by its contemporaries, RIPM offers new perspectives, a much more extensive view of the musical life of the period, and important statistical information upon which new studies can be based.

The act of choosing from among the multitude of writings and gaining access to these works—a formidable task in itself—may be considered easier than the next step in the RIPM project, which involves the extraction, annotation, recording and publication of this information.

Once a journal has been selected, collaborators follow guidelines developed by the center on what information to pull out of the journal. This information includes the journal title, calendar year, article title with accompanying editorial comment as needed to explain content, page number and author.

Collaborators enter this information—again, following strict format guidelines—on virtually any IBM-compatible personal computer. "It was necessary to develop computer technology that would allow scholars around the world to participate in RIPM and that would allow this project to move forward in a cost effective manner," says Cohen.



Once collaborators have entered key historical data using special typographical codes learned during a two-week session at the center, the center's editors and specially-designed computer program take over, creating an RIPM publication.

Three other projects are currently underway at the Center for Studies in 19th-Century Music. *La Critique Musicale D'Hector Berlioz*, an 11-volume critical edition of Hector Berlioz's critical writings, is being produced under the auspices of the Association Nationale Hector Berlioz and in collaboration with the Paris Conservatory, the French Ministry of Culture, and the University of Quebec in Montreal. *Musical Life in Nineteenth-Century France*, a monograph series of reference volumes published by Pendragon Press, concentrates on archival material relating to Paris as the musical capital of Europe. And *Periodica Musica*, an annual publication produced in collaboration with the Centro Internazionale

di Ricerca sui Periodici Musicali in Parma-Colorno, Italy, and under the auspices of the International Musicological Society and the International Association of Music Libraries, Archives and Documentation Centers, focuses on 19th-century music and musical life as depicted in the contemporary press.

Beth Workman

Above: The Royal Italian Opera House, Covent Garden, from *The Illustrated London News*, April 10, 1847.

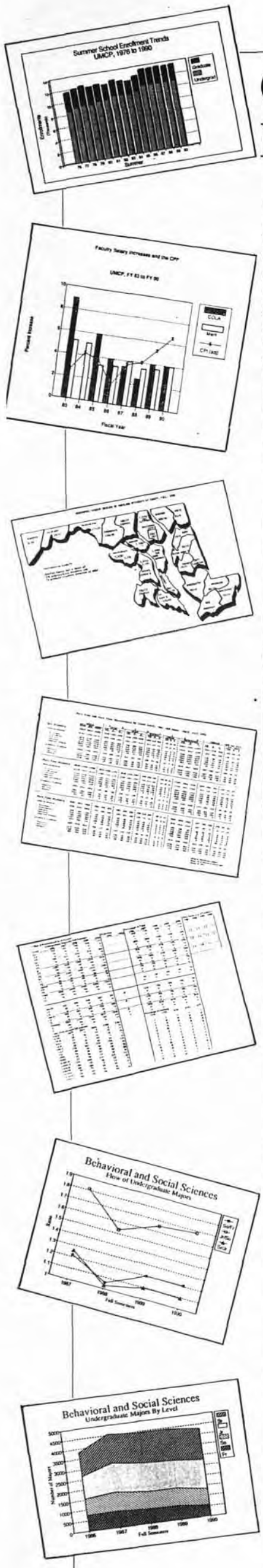
Below left: Johannes Brahms, on the cover of *Musica*, September 1909.

Below right: Hungarian violinist Joseph Joachim, on the cover of *Graphic*, March 10, 1877.

CLOSE UP

Maryland/Mexico Resource Center Forum To Be Held

Faculty members and administrators from the University of Maryland System campuses and research institutes with interests in Latin America are invited to join a morning seminar/forum Dec. 5, 10 a.m. through lunch at the Center of Adult Education on the College Park campus to discuss the formation of the new Maryland/Mexico Resource Center in Mexico City. The seminar/forum is being sponsored by the UMS International Faculty and Administrators Association. To register or for more information, call 405-4772. There is a $10 fee, and coffee and lunch will be provided.



Close Up on OIS: Unsung Heroes Provide Essential Data to the University

This summer, the words "unsung hero" were used by the Association for Institutional Research (AIR) to describe Marilyn Brown, director of UMCP's Office of Institutional Studies. An 18-year member of AIR, Brown was presented with the organization's Outstanding Service Award for her role as chairperson for local arrangements for the organization's 1989 annual meeting, held in Baltimore; for her involvement on the 1989 nominating committee, an elected position; and for her dedication to the founding of Maryland AIR in 1985, for which she served

Marilyn Brown, director, Office of Institutional Studies

as steering committee chairperson.

"Unsung hero" might also be used to describe Brown and the ten associate and classified staff in the Office of Institutional Studies (OIS). The office's role as provider of official numbers for almost anything concerning College Park has been expanded annually.

This year, the office began one of its largest endeavors—organizing and writing a Student Learning Outcomes Report. One of three accountability reports developed in response to the 1988 State Higher Education Reorganization Act, the Student Learning Outcomes Report will eventually report on 42 indicators designed to help the university and the Maryland Higher Education Commission (MHEC) "assess the educational effectiveness of each public campus by relating campus mission to student outcomes," says Brown.

Examples of these complex indicators include: assessing general education (CORE) courses against goals of effectiveness; surveying alumni to assess the effectiveness of major requirements; evaluating academic units, including the quality of teaching, by asking students every semester to evaluate their courses; reporting annual data about graduate and undergraduate students by ethnicity, gender and citizenship, categorized by college and department; assessing departmental programs to foster student retention; and annual reporting of licensing and certification examinations for majors. According to Brown, the 42 indicators were developed by the university and submitted to MHEC for approval in the form of a Student Learning Outcomes Assessment Plan. Because only six months separated the completion of the plan and the report's due date, data for only 16 indicators were included in this year's report. The report will grow in coming years until it includes all 42 indicators, says Brown, and may even change as university goals change.

The other two accountability reports required by the 1988 State Higher Education Reorganization Act include the Financial Management and Cost Containment Report and the Academic Program Review. Though main responsibility for these reports fell to others, OIS is contributing data essential to their completion, as well as to a growing number of other key university documents.

Last year, National Collegiate Athletic Association (NCAA) reporting was moved from Records and Registration to OIS. Although Records and Registration still provides the data, compilation of this detailed report as well as one for the Board of Regents now rests with Brown's office. Next year, a similar report will be required for the federal government, and OIS will be responsible for it.

In 1988, a review of nonacademic units also was added to OIS' growing list of responsibilities, with Brown playing a leading role in developing a process for this review. After conducting a literature search and surveying Association of American Universities institutions, Brown found that only the University of Illinois at Urbana/Champaign engaged in a similar activity. Using the Illinois process as a model, a campus committee including Brown drafted guidelines for accomplishing a review of nonacademic units. The review process is so labor intensive and time demanding that only several units are reviewed each year, creating a seven-year cycle. But it is working quite well, says Brown.

Her paper, "Developing and Implementing a Process for the Review of Nonacademic Units," was published in *Research in Higher Education* and has resulted in calls from several other universities. According to Brown, many of them are imitating to some degree the process developed here. This paper also won Brown AIR's 1988 Forum Best Paper Award.

In 1987, another important campus process was added to the growing OIS platter of responsibilities. It was the newly-developed Advisory Committee on Course Enrollment Statistics and Strategies (ACCESS) that expanded OIS' role on campus. According to Debra Stuart, OIS assistant director and an ACCESS committee member, ACCESS goal is to ensure seat availability so undergraduates can graduate on schedule. The Office of Institutional Studies' role is to provide data on enrollment, credit hours, number of employees, degrees, resources, and other information essential to evaluating and making decisions concerning seat availability. Two reference books providing this information for a five-year period were produced by Stuart with support from OIS staff. The detailed books contain a page for each college and department.

Assisting the Academic Planning Advisory Committee (APAC) is not a recent addition to the Office of Institutional Studies' roster of responsibilities, though activity in this area has recently grown and accelerated. "Support of APAC has been critical in the current financial environment," says Brown. In response to the current budget crisis, APAC has been studying university programs to determine possibilities for reduction, mergers or elimination, says Brown.

The reference books produced for ACCESS are also used by APAC members in their recommendations. Despite these useful reference books, APAC continues to require information essential to its decision making process, and OIS responds to these requests.

The university's new enrollment program, another source of additional responsibility for OIS, also benefits from information contained in the reference books.

Other ongoing projects for OIS include the Middle States Periodic Review, Minority Achievement Plan, Faculty Sex Equity Study, Faculty Workload Studies, Affirmative Action Plan, and data exchanges with the Association of American Universities and Southern Universities Group. The office also responds to hundreds of phone calls every year. Sometimes the data are readily available, says Brown; at other times responding to the inquiry requires data analysis or a special computer program.

Of all these projects, Brown lists support of APAC and the Student Learning Outcomes Report as her office's most recent major accomplishments.

As for goals, Brown would like her office to do everything more efficiently and effectively in order to respond to requests more quickly and accurately. "I would like to apply techniques of total quality management to the office," she says. Brown would also like her office to be more proactive. "Ideally, we would see problems coming before they got here and prepare senior administrators for those problems."

Beth Workman

Class in Technological Literacy Offered

William W. Destler, chair and professor of electrical engineering, will offer a special class in "Technological Literacy for Management and Support Staff" Wednesday, Nov. 20 in Room 1100 of the Instructional Television Building, located behind the Engineering Building. The class, which runs from 11 a.m to 5 p.m. is designed for members of the campus community who want a better understanding of such technological concepts as electronics, digital devices, computers, communication systems and electricity. The class is free and no formal training in science or engineering is required. For information, call 405-4910.

ARTS

Wagner Performs Lighting Magic

How do you transform a stark performance area, such as the Recital Hall, into a dramatic opera setting? With lighting. And Dan Wagner, Lighting Design I instructor, is the person who can successfully complete this transformation.

"Lighting can take you to a different place, a different time of day, a different season," says Wagner. And that's what he intends to do during *Riders to the Sea* and *The Stronger*, two operas being performed by the music department on November 20, 22 and 24.

Wagner faced another challenge with these two productions. "The most important part of an opera is the music," says Wagner, "so the challenge is to make it visually interesting without overwhelming the singers."

This semester Wagner also lent his talent on campus to *Bring Back Broadway*, *La Tragedie de Carmen*, and a *A Midsummer Night's Dream*.

Wagner grew up in College Park and says the university always held a sort of fascination for him. Perhaps it still does because he keeps returning. After receiving his undergraduate degree in dramatic arts, Wagner left, only to return one year later to obtain his master's degree and teach. Then, after a seven year hiatus from the university, he returned last year as a guest designer for *The Crucible*—and never left. Today the lighting expert educates students in a lighting design class and delights audiences with his stage show designs.

But university audiences aren't the only ones enjoying Wagner's award-winning work. In 1987, Wagner left a teaching position at St. Alban's School to develop his career as a freelance lighting designer. According to Wagner, he was in a position to do this because during the late 1970s and early 1980s, when a lot of small professional theaters were forming in the D.C. area, he was able to meet and form associations with many directors and designers. There are now more than 30 professional theaters in the greater D.C. area, says Wagner.

Wagner works most often at the Studio Theater in Washington, D.C., where he is resident designer. For the Studio this fall, he designed *When I Was a Girl I Used to Scream and Shout* and *The Women*, playing now. Also this fall, he is designing *The Christmas Revels* at George Washington University, *Marry Me A Little* at the Olney Theater, and *Spiele 36* at George Mason University.

His spring schedule is just as full, and includes serving as associate producer and production designer for the Helen Hayes Awards, presented in May to recognize outstanding achievement in Washington professional theater. Wagner is an eight-time nominee and two-time recipient of the "outstanding lighting design" award. In 1985, he received the award for *My Sister In This House;* in 1988, for *The Entertainer*. Both shows were produced at the Studio Theater.

Dan Wagner

"Discovery" Is Theme of Graduate School's Distinguished Lecture Series

Discovery—of the universe, culture, AIDS, and the mind—is the theme for the Graduate School's 4th annual Distinguished Lecturer Series. Featuring some of the world's leading scholars, the series was initiated to foster interdisciplinary interest on campus.

"Our goal is to invite scholars of such outstanding reputation, regardless of their field, that enthusiasm is generated in different quarters of academia," says June Hargrove, chair of the Distinguished Lecturer Series committee.

This year's list of distinguished lecturers is particularly outstanding.

Vera Rubin, astronomer in the Department of Terrestrial Magnetism at the Carnegie Institute of Washington, will open the series on November 20 with her presentation, "What Hubble Didn't Know About the Universe."

According to Rubin, Hubble believed the universe was smooth, isotropic and homogenous. But, she says, the distribution of matter in the universe is very lumpy.

Rubin's lecture will be held at 3:30 p.m. on November 20 in Room 1240 of the Zoology-Psychology Building.

The remaining three distinguished lecturers include:

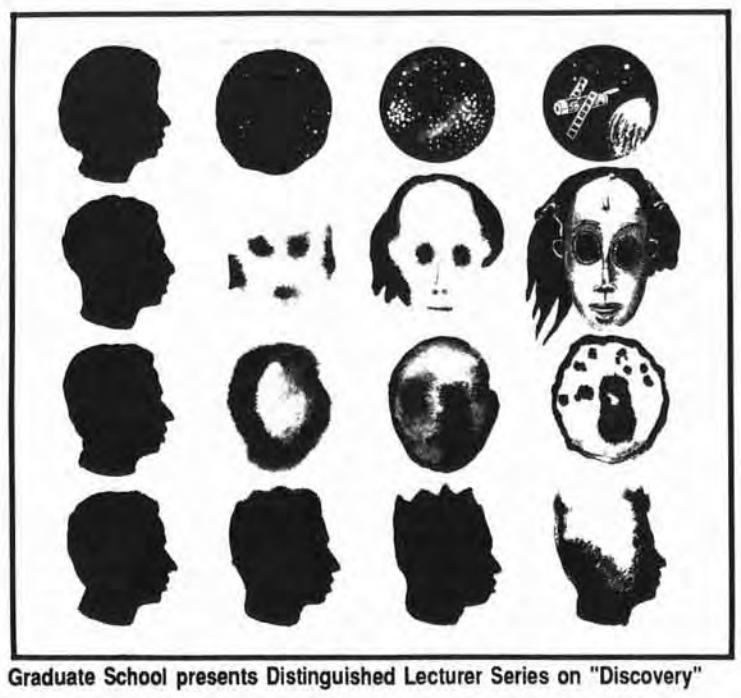
Robert Thompson of the Timothy Dwight College of Yale University, presenting "The Face of the Gods: Art and Altars of the Black Atlantic World," on April 9 in Room 2203 of the Art/Sociology Building;

Robert C. Gallo, M.D., of the National Cancer Institute, speaking on "Retroviruses: Viruses of Cancer and AIDS, the Second Decade," on April 21 in Room 1240 of the Zoology-Psychology Building; and

George Lakoff of the University of California at Berkeley, presenting "Fire in the Mind: Our Metaphoric Conceptual Systems," on April 29 in Room 2203 of the Art/Sociology Building.

This year's "Discovery" series was preceded by a series on "Gender and Knowledge," "Evolution," and "Origins" in previous years.

All lectures will be held at 3:30 p.m. and are free and open to the public. A wine and cheese reception will follow each lecture.


Graduate School presents Distinguished Lecturer Series on "Discovery"

Re-democratization in Chile is Topic of LASC Conference

With major funding from the Division of Arts and Humanities of The Rockefeller Foundation and support from the university's Office of International Affairs, College Park's Latin American Studies Center (LASC) will hold a major international conference on "Culture, Authoritarianism and Re-democratization in Chile," December 1-3 at the Center of Adult Education.

The conference is the fourth in the LASC series of five conferences on "Cultural Repression and Re-democratization in the Southern Cone," and is designed to analyze the repression of culture under military regimes and the role culture plays in the various stages of re-democratization.

Heraldo Munoz, Ambassador of Chile to the Organization of American States, is one of many participating social scientists, members of the Chilean government, writers, artists and others who are involved at various stages in Chile's democratic reconstruction.

Ambassador of Chile to the White House Patricio Silvo will host a reception for participants and dignitaries at the close of the symposium.

The conference is free and open to the public. For more information, call Saul Sosnowski at 405-6441.

RESEARCH

Recent Ph.D. Grad Wins Allen Prize

Zhiping Chu, a recent Ph.D. graduate in the chemical physics program, has won the 1991 Allen Prize of the Optical Society of America. The prize is presented annually to a person who, while a graduate student, has made outstanding contributions to atmospheric remote sensing using electro-optical instrumentation.
Chu was recognized for her contributions to the development of differential absorption lidar and its extension to the measurement of water vapor in the stratosphere and polar troposphere.
Chu is now a researcher with the Electrical and Systems Engineering Department at the University of Connecticut at Storrs.

College Park Cartographer Makes Maps for the Blind

Joe Wiedel

Joe Wiedel, the campus map maker, recently produced and delivered a Braille map of the Soviet Union to an organization for the blind, but within hours, the map was obsolete. The three Baltic states—Lithuania, Estonia and Latvia were suddenly independent of the Soviet Union.

"It's not easy to keep up with some of the changes that have occurred lately in the world," Wiedel says, "but it's part of the challenge of cartography."

According to Wiedel, professor and cartographer in the Department of Geography, this year's atlases and encyclopedias, which were produced and printed months ago, are all inaccurate now.

"People will just have to live with that," Wiedel says. "Teachers will have to explain the new boundaries and name changes to their students. It should make for interesting history lessons."

Political, economic and cultural effects may change the lives of millions of people, Wiedel says, "but we cartographers just map it and let others deliberate it."

Wiedel's own geographical interest is in the production of tactile maps for the blind. These maps combine braille, raised lines, large print and voice-indexed cassettes to present geographic, historical and demographic information to blind and low-vision readers.

Wiedel is a pioneer in the field of tactile mapping, having begun work in the field 25 years ago through a challenge with a colleague.

"At that time, there were not many maps for the blind," Wiedel says. "The maps were rather crudely conceived and not nearly as effective as they can be. I set out to prove to my friend that I could make better tactile maps than the ones being produced at the time."

Wiedel went on to devote his career to this form of map making and has led the way with many innovations that have become standard technique today. He is now one of only a half dozen tactile map makers in the country.

"The challenge of this field is that there are always questions to answer and better ways of designing these maps," he says. "There's still plenty of room for innovation."

At the beginning of his career, Wiedel studied perceptual psychology for a year in England to learn more about how the blind perceive the world. He learned that blind people travel through spaces in a linear fashion, with no concept of the four walls that may surround them unless they can feel these objects.

"Blind people are not visually oriented to their surroundings," Wiedel says. "They understand left and right but have trouble with spatial relationships and size, or concepts like north and south. My job is to make maps that communicate these ideas."

Wiedel creates maps that allow blind people to use their sense of touch to follow lines with their fingers from one point to another. These readers begin to develop an understanding of distance and the relationship of one object, such as a building, to another.

"With tactile maps, we make large spaces accessible," Wiedel says. "The maps communicate very quickly what can't be put into words."

After making a map, Wiedel has it tested by visually impaired subjects to make sure the map communicates clearly its objectives.

Wiedel has made maps of major streets in Washington, D.C., of the Capitol Building and several museums. He has made hundreds of maps and continues to improve them by simplification. He has taught workshops around the world on the techniques of tactile map making.

Most recently, he is writing a book on these techniques for the International Cartography Association with which he is chair of the Tactual and Low Vision Mapping Commission. He and his associates have also formed a joint commission with the World Blind Union to improve international communications in tactile mapping techniques.

"There's still a great deal to learn about this field of cartography," Wiedel says. "And there's plenty of appreciation for these maps from the people who use them."

Fariss Samarrai

Biologist Studies Pathogen and Pea

For the last three years, David C. Straney, assistant professor of botany, has been studying molecular interactions between a plant pathogenic fungus, *Nectria haematococca*, and the pea plant. He knows that the pea's defenses signal the pathogen to turn on the particular genes required for becoming pathogenic, but not how that signal activates these genes.

"Fungi," says Straney, "are a major agent of plant disease." And because this system is well researched, he thinks it is an excellent model to help answer the signaling question. More importantly, his findings should apply to other plant-pathogen systems and advance biotechnological applications in the field of botany.

Straney alters fungal deoxyribonucleic acid (DNA), which contains the fungus' genetic code, and transmits its hereditary pattern by introducing parts of it into bacteria. This process, called transformation, enables Straney to identify the section of DNA responsible for a particular effect. He uses techniques such as centrifugation and gel electrophoresis to deduce how components in the cell interact with the identified portion of DNA.

"Actually, seeing molecular changes is not necessary," says Straney who deals mostly with transparent liquids.

Straney admits his conclusions cannot be used immediately to design novel strategies of pest control; however his research will help plant pathologists and biochemists design targeted and effective biological control agents. These are important components to the integrated pest management (IPM) strategies being implemented throughout the state and nation.

Researchers and industry representatives "lack a thorough understanding of the chemical and biological interactions that ensure a pathogen's virulence and a plant's submission to disease," says Straney. He also mentions that plant diseases limit the varieties of crops that farmers can grow and that farmers are spending considerable sums on fungicides for the crops they can grow. These issues, plus environmental concerns, are fueling the movement to reduce fungicide use and to adopt biological controls.

Together, according to Straney, the issues also limit current options for pest eradication measures, such as the types of chemicals that will be developed and used, and demand that researchers study plant-pathogen microinteractions. Regarding the pea, Straney's findings will fill knowledge gaps and may even help researchers prevent the activation of the virulent gene.

Kevin Miller
MAES Science Editor

Campus Police Officer Picked for U.S. National Basketball Team

Campus police officer Private First Class Subrena Rivers has been invited to join the United States Women's National Basketball Team. The team will compete in a nine-country tournament that will be played in Brazil during the Thanksgiving holiday break. Rivers, a uniformed patrol officer who joined the university's police department in July 1990, played on the College Park women's varsity basketball team while she was a General Studies major here.

Byrd Media Working Area Named for Veteran Sports Information Directors

Two longtime College Park sports information officers—Joe F. Blair and Jack Zane—have been honored with the dedication earlier this fall of the Blair/Zane Media Working Area of the newly renovated Byrd Stadium.

Located on the third floor of the new press box/welcome center, the area contains seating for 150 members of the media.

Between them, Blair and Zane have logged 42 years with the Department of Intercollegiate Athletics. Blair, the department's assistant sports information director, worked at College Park from 1950 through 1962 and returned to the campus in 1983. Zane, who for many years was the sports information director and is currently ticket office manager, joined the university in 1969.

Joe Blair and Jack Zane in the media working area of the Byrd Stadium

Severn Family Working to Feed Homeless

Since April, the Franquelli family of Severn has been spending their weekends preparing brown-bag lunches of sandwiches, pieces of fruit and cans of soft drinks, and distributing them to the homeless in Baltimore. One recent Sunday, they handed out 170 lunches as well as jackets and coats donated by members of their church.

Tony Franquelli, who is manager of the unit press at University Printing, his wife Angela, and children Jilleien and Anthony, and their dedication to feeding the homeless, were the subject of a feature story in a recent issue of *The Maryland Gazette*. The newspaper has been running a series of profiles on people who play active roles in the community life of the west county area.

The Franquellis are setting up a non-profit organization called Simple Sacrifice that they hope will persuade everyone in the work force to skip lunch the third Friday of every month and donate that money to helping the homeless.

"Those who may have never felt the gnawing pain and weakness from hunger would know firsthand how it feels," Angela Franquelli says. "It [Simple Sacrifice] would constitute a permanent resource, an emergency fund for the hard times ahead."

For information about Simple Sacrafice, call Franquelli at 405-4100.

Mark Terrill: One of Shuttle-UM's Best

Some 120 of North America's most skilled bus drivers competed last month in Toronto, Canada, and Mark Terrill, a senior biochemistry major at College Park, was among them representing the University of Maryland Shuttle transit system.

Terrill placed seventh at the 16th Annual American Public Transit Association International Roadeo in early October, earning the distinction of being the seventh best bus operator in North America.

"I'm going to drive that before I graduate," Terrill said as a freshman when he first saw one of the distinctive red and white buses of the Shuttle-UM fleet. Since then, he has earned the respect of his co-workers for going above and beyond the call of duty.

Before the "roadeo" in Toronto, Terrill represented the university's shuttle system at a regional competition in Montgomery County where he qualified for the Canadian event by winning second place.

In Toronto, the drivers were allowed to drive through the course once before being judged on the ride's smoothness, safety precautions, timing and methods in maneuvering.

A full-time student and bus driver, Terrill says working at Shuttle-UM has taught him about people and interacting with them.

There were 45 buses in Terrill's competition category of 35-foot long buses.

Terrill has earned several awards as a Shuttle-UM driver including two consecutive Sylvia S. Stewart Awards for 1989-90 and 1990-91 for being selected by his colleagues as an outstanding Shuttle-UM worker.

Debra Durocher

Symposium Focuses on Understanding American Families

The Department of Family and Community Development held a symposium on "Understanding American Families" for 32 senior level officers from the Department of State, the Army, Navy, Air Force, Marine Corps, Coast Guard, National Guard, FBI, USAID, CIA and the National Security Agency earlier this month.

It was part of the 34th session of the ten-month long Foreign Service Institute's Senior Seminar. Ambassador Robert L. Pugh is dean of the senior seminar. Seminar participants, most of whom have served in overseas posts, are spending nearly a year focusing on domestic issues such as agriculture, education, crime and punishment, and health, as well as national security. The symposium was coordinated by Andrew Billingsley, chair and professor of family and community development, and featured presentations by several members of the department faculty.

Andrew Billingsley (left) and Robert Pugh

Topics included discussion of undergraduate and graduate programs in family studies, research findings of studies of the black church, incarcerated women, and Hispanic immigrants to the Washington, D.C. area, and presentations on contemporary families and alternative life styles by Roger Rubin, cognitive-behavioral marital therapy by Norman Epstein, and the future of African American families by Andrew Billingsley.

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CALENDAR

ATTENTION:
Nov. 22 Academic Planning Advisory Committee (APAC) Open Hearing for the Department of Industrial, Technological and Occupational Education, concerning possible elimination of the department and its programs, 11 a.m.-1 p.m., 2203 Art/Soc. Call 5-6820 for info.

Legal Affairs to Hold Seminar

The Office of Legal Affairs in conjunction with the Office of Judicial Programs will hold a seminar entitled "Freedom of Expression," on Dec. 12 from 9:30-11:30 a.m. in the multi-purpose room of Cambridge Dining Hall. Gary Pavela, office of Judicial Systems and editor, *Synthesis: Law and Public Policy in Higher Education*, will be the featured speaker, followed by a round table discussion and question and answer period. Please reserve a seat before Dec. 2 by calling 405-4945.

NOVEMBER 18-27

18 MONDAY

Diversity Week Celebration: for up-to-date audex information call 5-5800.

Art Gallery Exhibition: "Dreams, Lies, and Exaggerations: Photomontage in America," featuring 122 works of art, including magazine lay-outs, book jackets, and brochures, as well as fine art photography, Oct. 21-Dec. 20, The Art Gallery. Call 5-2763 for info.

Stamp Student Union Annual Clothing Drive: "Drop it Off at the Hoff," to benefit Cooperative Urban Ministry, today-Nov. 20, Stamp Student Union. Call 4-8618 for info.

Center for International Extension Development (CIED) and Office of International Programs Lecture: "Complementing Extension Through Local Radio: The Case of Liberia," Michael Laflin, Institute for International Research, Arlington, VA, noon-1 p.m. (bring lunch), 0115 Symons. Call 5-1253 for info.

Environmental Policy Concentration Seminar: "Funding Environmental Restoration," William Colglazier, International Affairs, National Academy of Sciences, noon-2 p.m., 3102C Morrill. Call 5-6351 for info.

Horticulture Seminar: "Agriculture as it Affects the Chesapeake Bay," Michael Heller, Chesapeake Bay Foundation Research Forum, Upper Marlboro, 4 p.m., 0128B Holzapfel. Call 5-4336 for info.

Entomology Colloquium: "The Mysterious Pimoine Spiders and the Systematics of Linyphiids," Gustavo Hormiga, Entomology, 4 p.m., 0200 Symons Hall. Call 5-3911 for info.

Computer Science at College Park Colloquium: "Highest Performance Computing Machines," Yale N. Patt, U. of Washington, 4 p.m., 0111 Classroom Bldg. Call 5-2737 for info.

United Campus Ministries "Civilized Event," relaxed atmosphere for collegial conversation; President Kirwan is expected to attend, 4-5:30 p.m., Rossborough Inn. Call 5-8450 for info.

Space Science Seminar: "What Cools Sunspots?," K.H. Shatten, NASA/GSFC, 4:30 p.m., 1113 Computer and Space Sciences. Call 5-6226 for info.

19 TUESDAY

Equity Conference: 8:30 a.m.-1 p.m., Stamp Student Union. Call 5-2838 for info.

Ecology, Evolution and Behavior Colloquium: "Some Aspects of the Interaction Between Rhizocephalan Barnacles and Mud Crabs along the East Coast of North America," Fernando Alvarez, noon, 1208 Zoo/Psych. Call 5-6944 for info.

Women in International Security Colloquium (co-sponsored by the Center for International Security Studies): "German Reunification and European Security," Gale A. Mattox, U.S. Naval Academy, noon, student lounge, Morrill Hall. Call 80-8109 for info.

Center for International Development and Conflict Management "Brown-Bag" Seminar: "Protest, Rebellion and Reform: The Resolution of Ethnic Conflicts in Western Democracies," Ted Gurr, 12:30 p.m. (bring lunch), second floor, Mill Bldg. Call 4-7703 for info.

Physics Colloquium: "First Results from the Gamma Ray Observatory," Neil Gehrels, GSFC, Greenbelt, 4 p.m.; tea, 3:30 p.m., 1410 Physics. Call 5-5953 for info.

Terpmasters Toastmasters (public speaking club) General Meeting, theme, Thanksgiving, 6:30 p.m., 2228 Tawes. Call 262-9131 for info.

20 WEDNESDAY

Instructional Television Live Interactive Video Conference: "Technological Literacy for Management and Support Staff," William Destler, 11 a.m.-5 p.m. (bring lunch; drinks will be provided), 1100 ITV Bldg. Call 5-4905 for info.*

Counseling Center Research and Development Meeting: "A Practical Look at Learning Styles," Lynn O'Brien, Specific Diagnostic Studies, noon-1 p.m., 0106-0114 Shoemaker. Call 4-7691 for info.

Theatre Educational Enhancement Program: "Sounding the Arts and Humanities," symposium on ideas, issues and history of *A Midsummer Night's Dream*, 12-12:50 p.m., 1102 F.S. Key. Call 5-2201 for info.

Molecular and Cell Biology Seminar: "RNA-Protein Interactions that Regulate Nuclear Pre-mRNA Processing," Michael Green, U. of Mass. Medical Center, 12:05 p.m., 1208 Zoo/Psych. Call 5-6991 for info.

Help Outreach and Peer Education (H.O.P.E.) Improvisational Theatre, signs and symptoms of depression, campus mental health resources, and related issues, 1:30 p.m., Parents Association Gallery. Call 4-8106 for info.

Graduate School Distinguished Lecture: "What Hubble Didn't Know About the Universe," Vera Rubin, Carnegie Institute of Washington, 3:30 p.m., wine and cheese reception to follow, 1240 Zoo/Psych. Call 5-1479 for info.

Architecture Lecture, Ralph Johnson, architect, Perkins and Will, Chicago, on recent work, 7:30 p.m., Architecture Auditorium. Call 5-6284 for info.

University Book Center Reading and Book Signing: *Philadelphia Fire*, John Edgar Wideman, 7:30 p.m., University Book Center. Call 4-7854 for info.

Maryland Opera Studio with University of Maryland Symphony Orchestra: *The Stronger*, by Hugo Weisgall, with *Riders to the Sea*, by Ralph Vaughn-Williams, 8 p.m., Pugliese Theatre. Call 5-5548 for info.*

21 THURSDAY

United Campus Ministry and Office of Human Relations Diversity Week Seminar: "Living in a Diverse Community: Creating Common Ground," Rhonda Williams, Tsze Chan and Adel Shirmohammadi, panelists; Kiyul Chung, moderator, noon, 1142 Stamp Student Union. Call 5-8450 for info.

Center for Teaching Excellence CORE Faculty Workshop: "Enhancing Multicultural and Diversity Dimensions in College Teaching," 3-5 p.m., Maryland Room, Marie Mount. Call 5-3154 for info.

"Writers Here and Now" Reading: Harrison and Reich, 3:30 p.m., 1120 Surge Building. Call 5-3819 for info.

"Ginger Rogers" (1932), by Will Connell, is part of the Art Gallery's exhibition, "Dreams, Lies, and Exaggerations: Photomontage in America," which is showing through Dec. 20. The Art Gallery is open Monday through Friday from 12-4 p.m., Wednesday evenings until 9, and from 1-5 p.m. Saturday and Sunday. Admission to the exhibit is free. Please call 405-2762 for more info.

Committee on the History and Philosophy of Science Colloquium: "Philosophical Implications on the Theory of Self-Organizing Systems," Alicia Roque, Prince Georges Community College, 4 p.m., 0201 Computer and Space Sciences. Call 5-5691 for info.

Theatre Educational and Cultural Enhancement Program: "Meet the Artists," behind-the-scenes session with artists preceding the performance of *A Midsummer Night's Dream*, 7-7:40 p.m., 0241 Tawes. Call 5-2201 for info.

University Theatre: *A Midsummer Night's Dream*, today-Nov. 23, 8 p.m., Tawes Theatre, $8 standard admission; $6 students and seniors. Call 5-2201 for info.*

Maryland Opera Studio with University of Maryland Symphony Orchestra: *La Tragedie de Carmen*, by Peter Brooks, 8 p.m., The Walters Gallery, Baltimore. Call 5-5548 for info.*

22 FRIDAY

Bureau of Governmental Research Conference: "Balanced Growth: Promoting the Economy/Protecting the Environment," 8:30 a.m.-5 p.m., Center of Adult Education. Call 5-6330 for info.*

Academic Planning Advisory Committee (APAC) Open Hearing for the Department of Industrial, Technological and Occupational Education, concerning possible elimination of the department and its programs, 11 a.m.-1 p.m., 2203 Art/Soc. Call 5-6820 for info.

Speech Communication Colloquium: "Negotiating Differences: A Case Study in 'Communication'," Gerry Philipsen, U. of Washington, noon, 0147 Tawes Fine Arts. Call 5-6524 for info.

Center for Neuroscience Colloquium: "Barn Owls Use Accommodation As a Distance Cue During Pecking," Hermann Wagner, Max Plank Institut for Kybernetik, noon-1 p.m., 1208 Zoo/Psych. Call 5-7228 for info.

Mental Health Service Lunch 'n Learn Seminar: "Dealing with Crises in Patients with Dissociative Disorders," Frank Putnam, National Institute of Mental Health, Bethesda, 1-2 p.m., 3100E Health Center. Call 4-8106 for info.

First National Bank of Maryland Research Colloquium in Finance: "Market Micro-Structure," Corinne Bronfman, 1-2:30 p.m., 2102 Tydings. Call 5-2256 for info.

Mathematics Colloquium: "Sheaves of Differential Operators of Infinite Order and Theta-Value Function," Daniele Struppa, George Mason U., 3 p.m., 3206 Mathematics. Call 5-5152 for info.

Concert Society at Maryland: "Les Arts Florissants," William Christie, director, 8 p.m., Washington National Cathedral; free seminar, 6:00 p.m., Cathedral Association Auditorium, $15-$22 standard admission, faculty and staff 10% discount, $12.50-$20.50 seniors and $5 students. Call 80-4240 for info and reservations.*

University Theatre: *A Midsummer Night's Dream*, 8 p.m., Tawes Theatre. See Nov. 21 for details.*

Maryland Opera Studio with University of Maryland Symphony Orchestra: *The Stronger*, by Hugo Weisgall, with *Riders to the Sea*, by Ralph Vaughn-Williams, 8 p.m., Pugliese Theatre. Call 5-5548 for info.*

23 SATURDAY

Children's Program: *Captain Planet and the Planeteers*, with short talk on recycling, 11 a.m.-12:30 p.m., Hardee's eating area, Stamp Student Union. Call 4-3375 for info.

University Theatre: *A Midsummer Night's Dream*, 8 p.m., Tawes Theatre. See Nov. 21 for details.*

Piano Concert: "Mozart's Piano Four Hand Concert," Thomas Schumacher and Stanley Waldoff, 8 p.m., Tawes Recital Hall. Call 5-5548 for info.

Men's Basketball vs. Mount St. Mary's, 8 p.m., Cole Field House. Call 4-7070 for info.*

24 SUNDAY

Artist Scholarship Benefit Concert: Maryland Opera Studio, *Riders to the Sea*, by Ralph Vaughan-Williams and *The Stronger*, by Hugo Weisgall; Leon Major, director, 3 p.m., Tawes Recital Hall. Call 5-5548 for info.*

25 MONDAY

Systems Research Center Colloquium: "Bifurcations in the Double Spherical Pendulum," Jerrold E. Marsden, U. of California at Berkeley, 10-11 a.m., 1100 ITV Bldg. Call 5-6634 for info.

Horticulture Seminar: "Winter Protection of Container-Grown Nursery Crops," Joan Feely, Horticulture, 4 p.m., 0128B Holzapfel. Call 5-4336 for info.

Entomology Colloquium: "TBA," Felix Amerasinghe, Entomology, 4 p.m., 0200 Symons Hall. Call 5-3911 for info.

Space Science Seminar: "Solar Wind Composition: First Results from Ulysses," Toni Galvin, 4:30 p.m., 1113 Computer and Space Sciences. Call 5-6226 for info.

26 TUESDAY

Ecology, Evolution and Behavior Colloquium: "No Sex, No Lies, But Good Slides," Isabel Braga, Zoology, noon, 1208 Zoo/Psych. Call 5-6949 for info.

Physics Colloquium: "Learning Patterns in Complex Data," Norman Packard, U. of Illinois, 4 p.m.; tea, 3:30 p.m., 1410 Physics. Call 5-5953 for info.

Horticulture Seminar: "Morphological and Physiological Responses of Bottomland and Riparian Tree Species to Water Stress," Lenore J. Nash, Horticulture, 4 p.m., 0128B Holzapfel. Call 5-4336 for info.

Help Outreach and Peer Education (H.O.P.E.) Improvisational Theatre, signs and symptoms of depression, campus mental health resources, and related issues, 4 p.m., Parents Association Gallery. Call 4-8106 for info.

Dingman Center for Entrepreneurship Seminar: "The New Rules in Entrepreneurial Finance: Financial Survival and Growth in a Recession," 6-9 p.m., Pooks Hill Marriott, Bethesda. Call 5-2151 for info.*

Men's Basketball vs. Maryland-Eastern Shore, 8 p.m., Cole Field House. Call 4-7070 for info.*

27 WEDNESDAY

Campus closes for Thanksgiving break.

* Admisssion charged for this event. All others are free.